

123379 to 123389.

From Costa Rica. Seeds collected by H. F. Loomis, Bureau of Plant Industry, United States Department of Agriculture. Received April 21, 1937.

123379. ACANTHORIZA sp. Phoenicaceae. Palm.

Palma de escoba. A spiny-trunked, palmate-leaved palm about 15 feet high, found growing in dense woods.

123380. ASTROCARYUM ALATUM Loomis. Phoenicaceae. Palm.

A handsome tropical woodland palm, with a trunk 12 to 18 feet high and numerous moderately arching, dark-green pinnate leaves 18 to 20 feet long. The large spiny fruits are in dense terminal clusters. Native to the lowlands of Costa Rica.

123381 to 123383. BACTRIS spp. Phoenicaceae. Palm.

123381. BACTRIS sp.

Uiscoyol or *Biscoyol.* A slender, spiny-trunked, caespitose palm 12 to 15 feet high. Inflorescence loose and with few seeds.

123382. BACTRIS sp.

Biscoyol. A different species from P. I. 123381, although given the same name. The denser inflorescence and the bright-red fruits are smaller; the trunk is very spiny.

123383. BACTRIS sp.

Pacaya de denta. A small palm, less than 2 feet high. The small dense inflorescence bore 20 bright-red fruits in a single cluster which was very showy. A very desirable addition to patios and shaded locations.

123384. CALYPTROGYNE SARAPIQUENSIS H. Wendl. Phoenicaceae. Palm.

Cola de gallo; Suita. A Costa Rican pinnate-leaved palm, nearly stemless or with a short thick stem and numerous leaves 4 to 6 feet long. The young leaves are pinkish green and very handsome.

123385 to 123387. GEONOMA spp. Phoenicaceae. Palm.

123385. GEONOMA sp.

Palmito dulce. A slender, smooth, single-trunked palm found in the forest. The pinnate leaves are very graceful, and the relatively large inflorescence is pinkish, loose, with the small black fruits, less than a quarter of an inch in diameter, rather widely scattered on the branches.

123386. GEONOMA sp.

Surtuba. A slender, smooth-trunked palm, 12 to 15 feet high, which prefers moist locations in dense shade. The black fruits are rather sparsely placed

123379 to 123389—Continued.

on the thick branches of the rather pinkish inflorescence.

123387. GEONOMA sp.

This is a different species from *Surtuba* (P. I. 123386); the dull purplish-red inflorescence is somewhat larger, but the branches are much more slender and the fruits are about a quarter as large.

123388. HELICONIA sp. Musaceae.

Platanillo. The inflorescence is erect when young but drooping with age; bracts dark red; fruits bright china blue.

123389. (Undetermined.)

A bush or small slender tree, growing in dense woods. The mottled brown seeds, the size and shape of medium-sized olives, are covered by thin bright-red flesh and occur singly in a yellow fruit which splits into equal divisions at maturity, allowing the seed to drop.

123390 to 123398.

From India. Scions and seeds collected by Walter Koels, Bureau of Plant Industry, United States Department of Agriculture. Received May 1, 1937.

From the Fruit Research Station, Kodur, Madras Presidency, March 18, 1937.

123390 to 123392. CITRUS spp. Rutaceae.

123390. CITRUS sp.

No. 1516. Fruit 4 to 5 inches long, like a rough lemon in most characters, very warty with prominent protuberances, petiole more prominent than in rough lemons. Root system very strong.

123391. CITRUS sp.

No. 2517. A local bud sport. Fruit pale yellow, insipid. The tree is a vigorous grower and is used as stock.

123392. CITRUS sp.

No. 2518. *Kichli.* The so-called "country" orange of the Madras area, possibly related to the sour orange (*Citrus aurantium* L.). Introduced under the name "maderaspattana," not considered a valid name.

123393 to 123397. MANGIFERA INDICA L. Anacardiaceae. Mango.

123393. No. 2511. *Neelum.* A regular bearer giving two crops a year; fruits medium to small, stone medium small, flavor good.

123394. No. 2512. *Baneshan.* Fruit small to medium; skin thin and yellow. A good keeper and an important commercial variety of Cycas.

123395. No. 2513. *Alampur Baneshan.* A medium-sized fruit, long and tapering to the tip, blotched green and yellow; stone small, skin thin, fiberless; the best mango of the district.